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## Summary Biology Report

From: Vince Scheidt, Consulting Biologist   
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Date: Revised ~~25 July 2005~~ Second Revision November 1, 2005

RE: Biological Resources, Project Impacts, and Mitigation - TPM 20875, ER 04-14-036, Crest

Per your recent request, we have completed a biology field study of the 8.5-acre Williams Tentative Parcel Map project (TPM 20875) located in the Crest area of unincorporated San Diego County. The purpose of this survey (conducted on 10 September 2003 and 8, 17, and 25 March 2005) was to identify the site's flora and fauna (Table 1), the onsite habitat-types (Figure 1), potential project impacts (Table 2), and mitigation if required. A protocol California Gnatcatcher (*Polioptila californica*) survey was also completed as a component of this study. As a result this study, we are able to summarize the following biological issues as they relate to future site development:

### Habitats

The TPM 20875 project site supports the following seven habitat-types:

#### Granitic Southern Mixed Chaparral (Holland Code 37121) - 2.95 acres

Granitic Southern Mixed Chaparral vegetation is found mostly on the slopes south of the site's main drainage. This locally common habitat is indicated by Buck-brush Lilac (*Ceanothus leucodermis*), Ramona Lilac (*Ceanothus tomentosus*), Chamise (*Adenostoma fasciculatum*), Mission Manzanita (*Xylococcus bicolor*), Holly-leaf Cherry (*Prunus ilicifolia*), and other various hard-woody shrubs. This habitat is contiguous offsite on adjoining lands to the south and west. Granitic Southern Mixed Chaparral is a "Tier III" habitat-type in the County of San Diego.

#### Southern Coast Live Oak Riparian Forest (Holland code #61310) - 0.67 acre

Southern Coast Live Oak Riparian Forest vegetation (SCLORF) is found in two vegetatively disjunct areas of the site; in a patch near the northwestern corner and along the site's main east-west drainage on the southern end of the site. This habitat-type constitutes a jurisdictional wetland. Indicators in this habitat include California Sycamore (*Platanus racemosa*), Coast Live Oak (*Quercus agrifolia*), Southwestern Willow (*Salix gooddingii*), Poison Oak (*Toxicodendron diversilobum*), and other wetland and woodland species. Southern Coast Live Oak Riparian Forest is a "Tier I" habitat-type in the County of San Diego.

#### Diegan Coastal Sage Scrub (Holland Code #62500) - 2.49 acres

Diegan Coastal Sage Scrub vegetation is found on the south-facing slopes below the existing home. This habitat is indicated by California Sagebrush (*Artemisia californica*), San Diego County Viguiera (*Viguiera laciniata*), Flat-top Buckwheat (*Eriogonum fasciculatum*), and other low shrubs. This habitat is contiguous offsite on adjoining lands to the east and west on a continuation of the slope. Diegan Coastal Sage Scrub is a "Tier II" habitat-type in the County of San Diego.

Coastal Sage - Chaparral Scrub (Holland Code #37G00) - 0.20 acre

A small patch of Coastal Sage - Chaparral Scrub vegetation is found near the southeastern corner of the property. Indicators in this ecotonal community include a mix of chaparral and sage scrub species, including an approximate even mixture of each. Common species within this habitat include Chamise, White Sage (*Salvia apiana*), Mission Manzanita, Flat-top Buckwheat, and other shrubby species. Coastal Sage - Chaparral Scrub is a "Tier II" habitat-type in the County of San Diego.

Non-native Grassland (Holland Code #42200) - 0.35 acre

A small strip of Non-native Grassland vegetation is found at the site's northwestern corner. This habitat is indicated by a thicket of Ripgut Brome (*Bromus diandrus*) with other annual weeds. Non-native Grassland is a "Tier III" habitat-type in the County of San Diego.

Disturbed Habitat (Holland code #11300) - 0.41 acre

Disturbed Habitat in conjunction with a fuel break surrounding the existing house is found in the northeastern portion of the site. This portion of the site is mostly barren with a few scattered weeds, including Foxtail Brome (*Bromus rubens*), False Mustard (*Camissonia californica*), Goosefoot (*Chenopodium murale*), and others. It appears that an herbicide may have been used to keep the weeds from overtaking this slope, as a part of required brush management. Disturbed Habitat is a "Tier IV" habitat-type in the County of San Diego.

Urban/Developed (Holland Code #12000) - 1.43 acres

An existing single family home with detached shed, driveway, etc is located on the northeastern corner of the site. This area qualifies as supporting Urban/Developed Habitat. The home is surrounded by ornamental landscaping and brush management areas. Developed residential properties are also present offsite to the north.

## Wetlands

In addition to the previously discussed SCLORF, the remaining section of the site's lateral drainage appears to support Resource Protection Ordinance (RPO)-defined and California Department of Fish and Game (CDFG)-defined wetlands. The drainage (other than within the SCLORF) does not support a predominance of hydrophytic vegetation, although it supports a rocky, non-soil substrate in places and clear signs of wetlands hydrology.

## Flora and Fauna

One hundred and thirty-six species of vascular plants and thirty species of animals were detected during the field survey of the property. These are listed in Table 1. This list represents a characteristic flora and fauna associated with sage scrub, chaparral, and riparian habitats in the Crest area of San Diego County. Most of the species detected are common to this area.

## Sensitive Species

One sensitive plant and five sensitive animals were detected during the field surveys. These are San Diego County Viguiers, Bewick's Wren, Bobcat, Mule Deer, Coronado Skink, and Coastal Western Whiptail. These are discussed below:

San Diego County Viguiera

*Viguiera laciniata*

Listing: CNPS List 4; R-E-D Code 1-2-1

State Status - none

Federal Status - none

County Status - Group "D" plant

Distribution: San Diego County, Orange County, Baja California, Mexico

Habitat: Diegan Coastal Sage Scrub and xeric chaparral

Status On Site: San Diego County Viguiera is co-dominant on south-facing slopes and in other xeric areas of the site and in the project vicinity.

Bewick's Wren

*Thryomanes bewickii*

Listing: "Blue List" (Tate, 1986)

Distribution: Western and central North America from Canada to Mexico

Habitat: Occupies a wide variety of habitats in San Diego County from the coast into the desert.

Status on Site: Two specimens were observed - both in association with denser areas of vegetation along the site's main drainage. This songbird is relatively common, and ample nesting habitat is available in the vicinity.

Bobcat

*Lynx rufus*

Listing: Regulated Furbearer (CDFG, 1999)

State Status - none

Federal Status - none

County Status - none

Distribution: Southern Canada to central Mexico.

Habitat: Brushy areas, including chaparral, sage scrub, woodlands, and forests. Rarely seen during daylight hours. Secretive and often occurring on properties without being readily detected.

Status On Site: Scats and tracks observed in various areas, indicating movement throughout the property, especially along the lower areas removed from development.

Mule Deer

*Odocoileus hemionus*

Listing: "MSCP Indicator" (County of San Diego, 1992)

State Status - Regulated Game Animal

Federal Status - none

County Status - Sensitive Mammal List

Distribution: Much of western North America from Mexico to southern Canada. Fairly common in San Diego County foothills.

Habitat: Woodlands, chaparral, sage scrub, grasslands. Usually indicated by distinctive scats, occasionally by sightings of specimens.

Status On Site: Scats and tracks were observed in various areas, mostly on western portions of the site. Specimens may move through this property in search of forage.

Coronado Skink

*Eumeces skiltonianus interparietalis*

Listing: State Status - none

Federal Status - Species of Concern

County Status - Sensitive Reptile List

Distribution: San Diego County south through northern Baja California.

Habitat: Resident in most upland habitats, including grassland, scrubs, chaparrals, and woodlands.

Status on site: A single specimen observed beneath a flat board near the existing house. Anticipated to be an uncommon resident species.

Coastal Whiptail

*Cnemidophorus tigris multiscutatus*

Listing: "Species of Concern" (USFWS, 1998)

State status - none

Federal Status - Species of Concern

County status - Sensitive Reptile List

Distribution: Cismontane areas of southern California south into Baja California Norte, Mexico.

Habitat: Mainly inhabits coastal sage scrub and chaparral where it occurs in areas of friable soils on hillsides and in canyons but also may be found in open, dry riparian areas.

Status On Site: Several specimens observed onsite. Habitat suitable in many areas, and anticipated in fair numbers, with at least hundreds of specimens anticipated. Likely very common onsite in association with areas of downed foliage and friable soils.

In addition to the above, various other wide-ranging or cryptic species might be anticipated to occur on the TPM 20875 site. No critical or highly sensitive populations of any species would be anticipated, however. Sensitive species known from the vicinity, along with an assessment of the probability of occurrence onsite, are presented in Table 3.

Quino Checkerspot Butterfly Evaluation

Quino Checkerspot Butterfly (*Euphydryas editha quino*) is a federally listed Endangered Species known to occur in portions of San Diego and Riverside County and adjacent Baja California, Mexico. This distinctive and colorful, medium-sized butterfly is apparently restricted to open habitats supporting at least one of several larval food-plants, including Plantain (*Plantago erecta*), Owl's Clover (*Orthocarpus purpurascens*), Yellow Bush Penstemon (*Keckiella antirrhinoides*), Chinese Houses (*Collinsia heterophylla*) and/or other plants in the Scrophularaceae family. The best understood Quino indicator is *Plantago erecta*, a very common annual forb associated with numerous open habitats. *P. erecta* is normally associated with sandy, clay, or serpentine soils. This small plant occurs throughout the California Floristic Province (west of the deserts) from Oregon to Baja California, below about 2,300 feet MSL. It is extremely abundant in Southern California in suitable habitats. Quino Checkerspot Butterfly is also dependent on several specific habitat features, in addition to the presence of appropriate larval food-plants, such as nectaring sites for adult butterflies, specific physiographic features of the site, openings in the vegetation, and possibly cryptogamic crust soils.

Our understanding of this poorly known species suggests that Quinos are dependent on these certain site features: In their absence, it is unlikely that Quino is a resident species.

The TPM 20875 property supports certain features that might constitute Quino "indicators", including open areas and certain nectar-producing plants. None of these are present in a configuration that would suggest the presence of Quino, however. *Plantago erecta*, the most evident host plant, does not appear to be present onsite.

The results of this evaluation suggest that the TPM 20875 site has a low probability of supporting *E. editha quino*. This species almost certainly does not reside on or otherwise utilize this property for either reproduction, hilltopping, or nectaring at this time, and there are no indications that it would colonize the site in the future. This conclusion is based primarily on the overall density of the vegetative cover over the majority of the site, and the fact that the only clear areas have been chemically maintained in that manner for many years (herbicide utilization). All other areas not supporting closed-canopy vegetation support a thicket of annual grasses.

#### California Gnatcatcher Survey

California Gnatcatcher, a federally-listed "Threatened" songbird, is known from habitat similar to that found on this site. Gnatcatchers occur in coastal and interior areas supporting coastal sage and related scrub habitats typically dominated by California Sagebrush, Flat-top Buckwheat, Laurel Sumac (*Malosma laurina*), and other soft-woody shrubs.

A directed field survey for this species, pursuant to current surveying protocols, was conducted as part of the survey for this report. This survey did not reveal the presence of *P. californica* on the subject property. The fall 2003 wildfire removed most of the CSS on this site, although it was regrowing vigorously by March of 2005. California Gnatcatcher is not expected to occur on this property as a resident species, and the habitat is thus considered "unoccupied". No nesting pairs or resident territories were detected during the protocol survey. Most of the property appears to be too steep to support nesting gnatcatchers, although specimens could move through the habitat during dispersal. This study was conducted pursuant to the Section 10(a)(1)(a) Recovery Permits #TE788133 and #TE038065. Attachment A provides a copy of the 45-day survey report as provided to the USFWS.

#### Spring Rare Plant Survey

Certain very rare and endangered plants are known to occur in the general vicinity of this property, including those listed in Table 3. Some of these species are listed as State and/or Federal Endangered, Threatened, or Rare Species. However, all of the rare plants with a potential to occur onsite are associated with specific habitat-types (such as vernal pools or native grassland), or they are found in association with specific soil types (such as gabbros, auld clays, etc) that are not found on this property. Because most of the site field surveying was conducted in March, any rare plants that might be found onsite would likely have been detected. In any case, any very rare plants that might occur onsite will be adequately conserved within the biological open space easement proposed for this site. No State or Federally-listed Species are anticipated.

#### Existing Open Space Easement

As part of a prior map recordation (Parcel Map 9213; TPM 14839), an Open Space Easement was placed over the drainage that runs through the TPM 20875 property. This easement was placed per the deed

recorded September 12, 1979, Document # 79-382293. The acreages of the habitats within this existing easement have been calculated and subtracted from that area which could be used for offsetting impacts associated with the TPM 20875 project. These results are presented in tabular form in Table 2.

### Project Impacts and Mitigation Requirements

The subdivision and subsequent development of this property is subject to review under the California Environmental Quality Act (CEQA) and the County's Biological Mitigation Ordinance (BMO). This means that the County requires that project-related impacts to native habitat and species be "less than significant", as defined by CEQA, and consistent with the requirements of the BMO. This usually requires the adoption of mitigation measures intended to reduce "significant" impacts to a level that is "less than significant". Project-related impacts, as we have identified them, are presented in Table 2.

As designed, future development of the TPM 20875 site would result in a loss of up to 0.93137 acres of Diegan Coastal Sage Scrub and 0.35 acres of Non-native Grassland. Impacts to these habitat-types are considered potentially "significant", as defined by CEQA and the BMO. Current County policy requires mitigation for project impacts to most upland vegetation-types particularly those supporting sensitive species.

At this time, in order to reduce all project impacts (see Table 2) to "less than significant", as defined by CEQA, and satisfy the County policy of requiring mitigation for impacts to sensitive habitats, the following mitigation measures are recommended:

1. Provide a Biological Open Space Easement over the remaining southern portion of the site in substantial conformance with that shown on the attached Vegetation Exhibit. This easement will conserve all of the site's most significant biological resources, and tie into the already existing easement over the drainage area. Within the two open space easements, 100 percent of the SCLORF and the majority of all other native upland habitats will be conserved. Impacts to 1.37093 acre of CSS and 0.35 acre of NNG will be offset as a result of adoption of this easement, although fully mitigating CSS impacts will require 0.27 acres of offsite mitigation purchase of Tier II or higher habitat in a County-approved location. Fencing or signage indicating that this area is a biological preserve is also recommended. The dedication of this easement should be made a Specific Condition of Project Approval.
2. In order to minimize impacts to the onsite (and offsite) wetland areas, it is recommended that a Biological Open Space Easement include a minimum 25'-foot biological buffer from unvegetated areas, and 50' from the Riparian Woodland. Fire clearing into this area will not be allowed.

The DPW is requiring offsite improvements to Eucalyptus Drive from the project site to the publicly-maintained portion of the road. This will require minor widening of the existing roadbed. The vegetation along the existing road consists entirely of heavily managed Urban/Developed Habitat. Pursuant to CEQA and the BMO, no specific mitigation for impacts to this habitat-type is recommended.

Thanks for the opportunity to provide this summary biological study and project impact analysis. Please contact us if you have any questions.

Table 1. Flora and Fauna Detected - TPM 20875

| <u>Scientific Name</u>                           | <u>Common Name</u>      |
|--|-------------------------|
| <u>Plants</u>                                    |                         |
| <i>Acalypha californica</i>                      | California Copperleaf   |
| <i>Adenostoma fasciculatum</i>                   | Chamise                 |
| <i>Amaranthus albus</i> *                        | White Tumbleweed        |
| <i>Ambrosia psilostachya</i>                     | Western Ragweed         |
| <i>Amsinckia intermedia</i>                      | Fiddleneck              |
| <i>Anagallis arvensis</i> *                      | Scarlet Pimpernel       |
| <i>Antirrhinum nuttallianum</i>                  | Nuttall's Snapdragon    |
| <i>Arctotis hirsuta</i> *                        | Annual African Daisy    |
| <i>Artemisia californica</i>                     | California Sagebrush    |
| <i>Atriplex semibaccata</i> *                    | Australian Saltbush     |
| <i>Baccharis glutinosa</i>                       | Mule Fat                |
| <i>Baccharis sarothroides</i>                    | Broom Baccharis         |
| <i>Brassica geniculata</i> *                     | Perennial Mustard       |
| <i>Brickellia californica</i>                    | California Brickellbush |
| <i>Bromus diandrus</i> *                         | Ripgut Brome            |
| <i>Bromus rubens</i> *                           | Foxtail Brome           |
| <i>Calandrinia ciliata</i> var. <i>menziesii</i> | Red Maids               |
| <i>Calystegia macrostegia</i>                    | Morning Glory           |
| <i>Camissonia bistorta</i>                       | Southern Sun Cup        |
| <i>Camissonia californica</i>                    | False Mustard           |
| <i>Carduus tenuiflorus</i>                       | Thistle                 |
| <i>Carex spissa</i>                              | San Diego Sedge         |
| <i>Ceanothus leucodermis</i>                     | Buck-brush Lilac        |
| <i>Ceanothus tomentosus</i>                      | Ramona Lilac            |
| <i>Centaurea melitensis</i> *                    | Tocalote                |
| <i>Cerastium glomeratum</i> *                    | Mouse-ear Chickweed     |
| <i>Chaenactis artemisiaefolia</i>                | White Pincushion        |
| <i>Chamaesyce maculata</i> *                     | Spotted Spurge          |
| <i>Cheilanthes newberryi</i>                     | Cotton Fern             |
| <i>Chenopodium murale</i> *                      | Goosefoot               |
| <i>Cirsium</i> sp. *                             | Thistle                 |

**Table 1. Flora and Fauna Detected - TPM 20875**

| <u>Scientific Name</u>                                | <u>Common Name</u>      |
|---|-------------------------|
| <u>Plants (cont)</u>                                  |                         |
| <i>Claytonia perfoliata</i>                           | Miner's Lettuce         |
| <i>Cneoridium dumosum</i>                             | Spice Bush              |
| <i>Conyza canadensis</i> *                            | Common Horseweed        |
| <i>Corethrogyne filaginifolia</i> var. <i>virgata</i> | Sand Aster              |
| <i>Coronopus didymus</i> *                            | Swine Cress             |
| <i>Crassula erecta</i>                                | Stonecrop               |
| <i>Cryptantha intermedia</i>                          | Common Cryptantha       |
| <i>Cuscuta ceanothi</i>                               | Chaparral Dodder        |
| <i>Dicentra chrysantha</i>                            | Golden Eardrops         |
| <i>Dichelostemma pulchellum</i>                       | Blue Dicks              |
| <i>Diplacus aurantiacus</i>                           | San Diego Monkeyflower  |
| <i>Dryopteris arguta</i>                              | Coastal Wood Fern       |
| <i>Dudleya pulverulenta</i>                           | Chalk Live-forever      |
| <i>Emmenanthe penduliflora</i>                        | Whispering Bells        |
| <i>Eremocarpus setigerus</i>                          | Dove Weed               |
| <i>Eriogonum fasciculatum</i>                         | Flat-top Buckwheat      |
| <i>Eriophyllum confertiflorum</i>                     | Golden Yarrow           |
| <i>Erodium cicutarium</i> *                           | Red-stem Stork's-bill   |
| <i>Erodium moschatum</i> *                            | White-stem Stork's-bill |
| <i>Erodium</i> sp.                                    | Stork's-bill            |
| <i>Eschscholzia californica</i>                       | California Poppy        |
| <i>Eucalyptus</i> sp. *                               | Eucalyptus              |
| <i>Eucrypta chrysanthemifolia</i>                     | Common Eucrypta         |
| <i>Festuca megalura</i> *                             | Foxtail Fescue          |
| <i>Filago californica</i>                             | California Filago       |
| <i>Filago gallica</i> *                               | Narrow-leaf Filago      |
| <i>Galium angustifolium</i>                           | Narrow-leaf Bedstraw    |
| <i>Galium aparine</i> *                               | Common Bedstraw         |
| <i>Gnaphalium bicolor</i>                             | Bicolor Cudweed         |
| <i>Gnaphalium californicum</i>                        | California Cudweed      |
| <i>Gnaphalium</i> sp.                                 | Cudweed                 |



Table 1. Flora and Fauna Detected - TPM 20875

| <u>Scientific Name</u>                          | <u>Common Name</u>  |
|---|---------------------|
| <u>Plants (cont)</u>                            |                     |
| <i>Hedypnois cretica</i> *                      | Hedypnois           |
| <i>Helianthus gracilentus</i>                   | Slender Sunflower   |
| <i>Heteromeles arbutifolia</i>                  | Toyon               |
| <i>Hordeum murinum</i> *                        | Wild Barley         |
| <i>Hypochaeris glabra</i> *                     | Smooth Cat's-tongue |
| <i>Jepsonia parryi</i>                          | Parry's Jepsonia    |
| <i>Lamarckia aurea</i> *                        | Goldentop           |
| <i>Lathyrus laetiflorus</i>                     | Chaparral Pea       |
| <i>Lepidium</i> sp.                             | Peppergrass         |
| <i>Lonicera subspicata</i>                      | Wild Honeysuckle    |
| <i>Lotus strigosus</i> var. <i>strigosus</i>    | Bishop's Lotus      |
| <i>Lotus scoparius</i>                          | Deerweed            |
| <i>Lupinus hirsutissimus</i>                    | Stinging Lupine     |
| <i>Lupinus</i> sp.                              | Lupine              |
| <i>Lythrum hyssopifolium</i>                    | Loosestrife         |
| <i>Malva parviflora</i> *                       | Cheeseweed          |
| <i>Marah macrocarpus</i>                        | Man Root            |
| <i>Marrubium vulgare</i> *                      | Horehound           |
| <i>Matricaria matricarioides</i>                | Pineapple Weed      |
| <i>Medicago polymorpha</i> *                    | Bur Clover          |
| <i>Melica imperfecta</i>                        | Coast Range Melic   |
| <i>Melilotus</i> sp. *                          | Sweet Clover        |
| <i>Microseris lindleyi</i>                      | Silver Puffs        |
| <i>Muhlenbergia rigens</i>                      | Deer Grass          |
| <i>Navarretia hamata</i>                        | Skunkweed           |
| <i>Nemophila</i> sp.                            | Blue-eyes           |
| <i>Nerium oleander</i> *                        | Oleander            |
| <i>Nicotiana glauca</i> *                       | Tree Tobacco        |
| <i>Olea europa</i> *                            | European Olive      |
| <i>Oryzopsis miliacea</i> *                     | Indian Rice Grass   |
| <i>Pectocarya linearis</i> ssp. <i>ferocula</i> | Slender Pectocarya  |

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| <u>Scientific Name</u>                                    | <u>Common Name</u>        |
|---|---------------------------|
| <u>Plants (cont)</u>                                      |                           |
| <i>Pennisetum setaceum</i> *                              | African Fountain Grass    |
| <i>Phacelia cicutaria hispida</i>                         | Caterpillar Phacelia      |
| <i>Phacelia parryi</i>                                    | Parry's Phacelia          |
| <i>Picris echioides</i> *                                 | Bristly Ox-tongue         |
| <i>Pinus halepensis</i> *                                 | Pine                      |
| <i>Pityrogramma triangularis</i> var. <i>triangularis</i> | Goldenback Fern           |
| <i>Plagiobothrys</i> sp.                                  | Popcornflower             |
| <i>Platanus racemosa</i>                                  | California Sycamore       |
| <i>Porophyllum gracile</i>                                | Odora                     |
| <i>Prunus ilicifolia</i>                                  | Holly-leaf Cherry         |
| <i>Pterostegia drymarioides</i>                           | Thread Stem               |
| <i>Quercus agrifolia</i>                                  | Coast Live Oak            |
| <i>Raphanus sativus</i> *                                 | Wild Radish               |
| <i>Rhamnus crocea</i>                                     | Redberry                  |
| <i>Ricinus communis</i> *                                 | Castor Bean               |
| <i>Rorippa nasturtium-aquaticum</i> *                     | Watercress                |
| <i>Rumex crispus</i> *                                    | Curly Dock                |
| <i>Rumex salicifolius</i>                                 | California Dock           |
| <i>Salix gooddingii</i>                                   | Southwestern Willow       |
| <i>Salsola pestifer</i> *                                 | Russian Thistle           |
| <i>Salvia apiana</i>                                      | White Sage                |
| <i>Salvia columbariae</i>                                 | Chia                      |
| <i>Sambucus mexicanus</i>                                 | Elderberry                |
| <i>Schinus molle</i> *                                    | Peruvian Peppertree       |
| <i>Scrophularia californica</i> ssp. <i>floribunda</i>    | Bee Plant                 |
| <i>Selaginella bigelovii</i>                              | Bigelow's Spikemoss       |
| <i>Silene gallica</i> *                                   | Common Catchfly           |
| <i>Silybum marianum</i> *                                 | Milk Thistle              |
| <i>Solanum nodiflorum</i> *                               | White-flowered Nightshade |
| <i>Sonchus asper</i> *                                    | Sow Thistle               |
| <i>Sonchus oleraceus</i> *                                | Sow Thistle               |

Table 1. Flora and Fauna Detected - TPM 20875

| <u>Scientific Name</u>                  | <u>Common Name</u>               |
|---|----------------------------------|
| <u>Plants (cont)</u>                    |                                  |
| <i>Stephanomeria virgata</i>            | Stephanomeria                    |
| <i>Stipa lepida</i>                     | Foothill Stipa                   |
| <i>Toxicodendron diversilobum</i>       | Poison Oak                       |
| <i>Trifolium sp. *</i>                  | Clover                           |
| <i>Urtica dioica ssp. holosericea *</i> | Hoary Nettle                     |
| <i>Urtica urens *</i>                   | Dwarf Nettle                     |
| <i>Vicia ludoviciana</i>                | Deerpea Vetch                    |
| <b><i>Viguiera laciniata</i></b>        | <b>San Diego County Viguiera</b> |
| <i>Washingtonia robusta *</i>           | Mexican Fan Palm                 |
| <i>Xylococcus bicolor</i>               | Mission Manzanita                |
| <i>Yucca whipplei</i>                   | Our Lord's Candle                |
| <i>Zauschneria californica</i>          | California Fuschia               |
| <u>Birds</u>                            |                                  |
| <i>Aphelocoma coerulescens</i>          | Scrub Jay                        |
| <i>Archilochus sp.</i>                  | Hummingbird                      |
| <i>Buteo jamaicensis</i>                | Red-tailed Hawk                  |
| <i>Callipepla californica</i>           | California Quail                 |
| <i>Carpodacus mexicanus</i>             | Housefinch                       |
| <i>Corvus corax</i>                     | Common Raven                     |
| <i>Dendroica coronata</i>               | Audubon's Warbler                |
| <i>Melanerpes formicivorus</i>          | Acorn Woodpecker                 |
| <i>Pipilo crissalis</i>                 | California Towhee                |
| <i>Pipilo erythrophthalmus</i>          | Rufous-sided Towhee              |
| <i>Psaltiriparus minimus</i>            | Bushtit                          |
| <i>Sayornis nigricans</i>               | Black Phoebe                     |
| <b><i>Thryomanes bewickii</i></b>       | <b>Bewick's Wren</b>             |
| <i>Troglodytes aedon</i>                | House Wren                       |
| <i>Tyrannus verticalis</i>              | Western Kingbird                 |
| <i>Zenaida macroura</i>                 | Mourning Dove                    |
| <i>Zonotrichia leucophrys</i>           | White-crowned Sparrow            |

Table 1. Flora and Fauna Detected - TPM 20875

| <u>Scientific Name</u>                      | <u>Common Name</u>    |
|---|-----------------------|
| <u>Mammals</u>                              |                       |
| <i>Lynx rufus</i>                           | Bobcat                |
| <i>Odocoileus hemionus</i>                  | Mule Deer             |
| <i>Thomomys bottae</i>                      | Valley Pocket Gophers |
| <u>Reptiles</u>                             |                       |
| <i>Cnemidophorus tigris multiscutatus</i>   | Coastal Whiptail      |
| <i>Eumeces skiltonianus interparietalis</i> | Western Skink         |
| <i>Sceloporus occidentalis</i>              | Western Fence Lizard  |
| <i>Xantusia henshawi henshawi</i>           | Granite Night Lizard  |
| <u>Butterflies</u>                          |                       |
| <i>Anthocharis sara</i>                     | Sara Orangetip        |
| <i>Artogeia rapae</i>                       | Cabbage White         |
| <i>Papilio eurymedon</i>                    | Pale Swallowtail      |
| <i>Pontia protodice</i>                     | Common White          |
| <i>Vanessa annabella</i>                    | West Coast Lady       |
| <i>Vanessa atalanta</i>                     | Red Admiral           |

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Total - 136 plants, 30 animals

\* - non-native taxon

**bold** - sensitive taxon

Table 2. Impact/Mitigation Analysis - TPM 20875

| <u>Biological Resource</u>              | <u>Onsite Acres<br/>Pre-development</u> | <u>Existing Open Space<br/>(Existing Impact Neutral)</u> | <u>Proposed New<br/>Open Space<br/>Post-development</u> | <u>Acres Impacted<br/>Post-development</u> | <u>Mitigation<br/>Required</u>                         |
|---|---|--|---|--|--|
| Granitic Southern Mixed Chaparral       | 2.95 acres                              | 0.71 acres   | 2.24 acres  | none                                       | avoidance  |
| Southern Coast Live Oak Riparian Forest | 0.67 acre                               | 0.53 acres   | 0.14 acre   | none                                       | avoidance  |
| Diegan Coastal Sage Scrub               | 2.49 acres                              | 0.43 acres   | <del>2.06</del> 1.13 acres                              | <del>1.37</del> 0.93 acre                  | <del>2.06</del> 0.27 acre<br>(@ 1.5-to-1) <sup>1</sup> |
| Coastal Sage Chaparral Scrub            | 0.20 acre                               | 0.07 acres   | 0.13 acre   | none                                       | avoidance  |
| Non-native Grassland                    | 0.35 acre                               | none   | none  | 0.35 acre                                  | 0.18 acre<br>(@ ½ -to-1) <sup>2</sup>                  |
| Disturbed Habitat                       | 0.41 acre                               | none   | n/a   | <del>n/a</del> 0.41 acres                  | none   |
| Urban/Developed                         | 1.43 acres <sup>3</sup>                 | none   | n/a   | <del>n/a</del> 1.43 acres                  | none   |
| <b>Totals</b>                           | <b>8.50 acres</b>                       | <b>1.74 acres</b>  | <b><del>4.47</del>3.64 acres</b>                        | <b><del>1.72</del>3.12 acre</b>            |  |

<sup>1</sup> - offsite mitigation purchase of Tier II or higher habitat in a County-approved location is required

<sup>2</sup> - Mitigation will be provided via the conservation of "higher tier" habitat, in this case Granitic Southern Mixed Chaparral

<sup>3</sup> - Does not include very minor acreage of Urban/Developed habitat located along existing road to be widened

Table 3. Sensitive Species Known from the Vicinity - TPM 20875

| Scientific Name                           | Common Name                      | Federally Endangered | Federally Threatened | State Endangered | State Threatened | State Rare | Coastal Sage Scrub | Mixed Chaparral | Grassland | Riparian | Oak Woodland | Chamise Chaparral | Mixed Conifer | Closed Cone Forest | Pinon-Juniper | Freshwater Marsh | Desert Scrub | Desert Wash | Salt or Alkali Marsh | Vernal Pools | Montane Meadow | Coastal or Desert Dune | Lakes and Bays | Probability of Occurrence |
|---|----------------------------------|----------------------|----------------------|------------------|------------------|------------|--------------------|-----------------|-----------|----------|--------------|-------------------|---------------|--------------------|---------------|------------------|--------------|-------------|----------------------|--------------|----------------|------------------------|----------------|---------------------------|
| <i>Acanthomintha ilicifolia</i>           | San Diego Thornmint              | X                    | X                    |                  |                  |            | X                  | X               |           |          | X            |                   |               |                    |               |                  |              |             |                      | X            |                |                        |                | L                         |
| <i>Accipiter cooperii</i>                 | Cooper's hawk                    |                      |                      |                  |                  |            |                    |                 | X         | X        | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Accipiter striatus</i>                 | Sharp-shinned hawk               |                      |                      |                  |                  |            | X                  |                 |           |          | X            |                   | X             |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Agelaius tricolor</i>                  | Tricolored blackbird             |                      |                      |                  |                  |            |                    |                 | X         | X        |              |                   |               |                    |               | X                |              |             |                      |              |                |                        |                | L                         |
| <i>Aimophila ruficeps canescens</i>       | Rufous-crowned sparrow           |                      |                      |                  |                  |            | X                  |                 |           |          |              | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Amphispiza belli belli</i>             | Bell's sage sparrow              |                      |                      |                  |                  |            | X                  | X               |           |          |              | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Anniella pulchra pulchra</i>           | Silvery legless lizard           |                      |                      |                  |                  |            | X                  |                 | X         | X        |              |                   |               |                    |               |                  |              |             |                      |              |                | X                      |                | M                         |
| <i>Antrozous pallidus</i>                 | Pallid bat                       |                      |                      |                  |                  |            | X                  | X               | X         | X        | X            | X                 | X             | X                  | X             |                  | X            | X           |                      |              | X              |                        |                | M                         |
| <i>Aquila chrysaetos</i>                  | Golden eagle                     |                      |                      |                  |                  |            | X                  | X               | X         |          | X            | X                 | X             | X                  | X             |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Arctostaphylos otayensis</i>           | Otay Manzanita                   |                      |                      |                  |                  |            |                    | X               |           |          |              |                   |               | X                  |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Astragalus deanei</i>                  | Dean's Milkvetch                 |                      |                      |                  |                  |            | X                  |                 | X         | X        |              | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Bassariscus astutus</i>                | Ringtail                         |                      |                      |                  |                  |            |                    | X               |           |          |              | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Brodiaea orcuttii</i>                  | Orcutt's brodiaea                |                      |                      |                  |                  |            |                    |                 | X         | X        | X            | X                 |               |                    |               |                  |              |             |                      | X            |                |                        |                | L                         |
| <i>Bufo microscaphus californicus</i>     | Arroyo toad                      | X                    |                      |                  |                  |            | X                  | X               | X         | X        | X            | X                 |               |                    |               |                  |              |             |                      |              | X              |                        |                | L                         |
| <i>Buteo lineatus</i>                     | Red-shouldered hawk              |                      |                      |                  |                  |            |                    |                 |           | X        | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Calochortus dunnii</i>                 | Dunn's mariposa lily             |                      |                      |                  |                  | X          |                    | X               |           |          |              | X                 |               | X                  |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Cathartes aura</i>                     | Turkey vulture                   |                      |                      |                  |                  |            | X                  | X               | X         | X        | X            | X                 | X             | X                  |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Chaetodipus californicus femoralis</i> | Dulzura California pocket mouse  |                      |                      |                  |                  |            | X                  | X               | X         |          | X            | X                 | X             |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Chaetodipus fallax fallax</i>          | N. San Diego pocket mouse        |                      |                      |                  |                  |            | X                  | X               | X         |          |              | X                 |               |                    |               |                  | X            | X           |                      |              |                |                        |                | L                         |
| <i>Chamaebatia australis</i>              | Southern mountain misery         |                      |                      |                  |                  |            |                    | X               |           |          |              | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Charina trivirgata roseofusca</i>      | Coastal rosy boa                 |                      |                      |                  |                  |            | X                  | X               |           |          | X            | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Chorizanthe leptotheca</i>             | Peninsular spine flower          |                      |                      |                  |                  |            |                    | X               |           |          |              | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Circus cyaneus hudsonius</i>           | Northern harrier                 |                      |                      |                  |                  |            |                    |                 | X         |          |              |                   |               |                    |               | X                |              |             | X                    |              |                |                        |                | M                         |
| <i>Cnemidophorus hyperythrus</i>          | Orange-throated whiptail         |                      |                      |                  |                  |            | X                  | X               | X         | X        |              | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Cnemidophorus tigris multiscutatus</i> | Coastal western whiptail         |                      |                      |                  |                  |            |                    | X               |           | X        | X            | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | O                         |
| <i>Coleonyx variegatus abbotti</i>        | San Diego banded gecko           |                      |                      |                  |                  |            | X                  |                 | X         |          |              | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Comarostaphylos diversifolia</i>       | Summer holly                     |                      |                      |                  |                  |            |                    | X               |           |          |              |                   |               | X                  |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Corynorhinus townsendii</i>            | Townsend's big-eared bat         |                      |                      |                  |                  |            |                    | X               | X         | X        | X            | X                 | X             | X                  | X             |                  | X            | X           |                      |              | X              |                        |                | M                         |
| <i>Crotalus ruber ruber</i>               | Northern red diamond rattlesnake |                      |                      |                  |                  |            | X                  | X               |           |          |              | X                 |               |                    | X             |                  | X            |             |                      |              |                |                        |                | M                         |
| <i>Cupressus forbesii</i>                 | Tecate cypress                   |                      |                      |                  |                  |            |                    | X               |           |          |              |                   |               | X                  |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Danaus plexippus</i>                   | Monarch butterfly                |                      |                      |                  |                  |            |                    |                 | X         |          | X            |                   |               |                    |               |                  |              |             |                      |              | X              |                        |                | M                         |
| <i>Dendroica petechia brewsteri</i>       | Yellow warbler                   |                      |                      |                  |                  |            |                    |                 |           | X        |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Diadophis punctatus similis</i>        | San Diego ringneck snake         |                      |                      |                  |                  |            | X                  | X               |           | X        | X            | X                 | X             | X                  |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Dudleya variegata</i>                  | Variegated dudleya               |                      |                      |                  |                  |            | X                  |                 |           |          |              | X                 |               |                    |               |                  |              |             |                      | X            |                |                        |                | L                         |
| <i>Elanus caeruleus</i>                   | Black-shouldered kite            |                      |                      |                  |                  |            |                    |                 | X         | X        |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Empidonax trailii extimus</i>          | Southwestern willow flycatcher   | X                    |                      |                  |                  |            |                    |                 |           | X        |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Ensatina eschscholtzii klauberi</i>    | Large-blotched salamander        |                      |                      |                  |                  |            |                    |                 |           | X        | X            |                   | X             |                    |               |                  |              |             |                      |              |                |                        |                | L                         |

**Table 3. Sensitive Species Known from the Vicinity - TPM 20875**

|  |                                   | Federally Endangered | Federally Threatened | State Endangered | State Threatened | State Rare | Coastal Sage Scrub | Mixed Chaparral | Grassland | Riparian | Oak Woodland | Chamise Chaparral | Mixed Conifer | Closed Cone Forest | Pinon-Juniper | Freshwater Marsh | Desert Scrub | Desert Wash | Salt or Alkali Marsh | Vernal Pools | Montane Meadow | Coastal or Desert Dune | Lakes and Bays | Probability of Occurrence |
|--|-----------------------------------|----------------------|----------------------|------------------|------------------|------------|--------------------|-----------------|-----------|----------|--------------|-------------------|---------------|--------------------|---------------|------------------|--------------|-------------|----------------------|--------------|----------------|------------------------|----------------|---------------------------|
| Scientific Name                            | Common Name                       |                      |                      |                  |                  |            |                    |                 |           |          |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                |                           |
| <i>Euderma maculatum</i>                   | Spotted bat                       |                      |                      |                  |                  |            |                    |                 | X         |          |              | X                 | X             | X                  | X             |                  |              | X           |                      |              | X              |                        |                | M                         |
| <i>Eumops perotis californicus</i>         | Greater western mastiff bat       |                      |                      |                  |                  |            | X                  | X               | X         | X        | X            | X                 | X             | X                  | X             | X                | X            | X           | X                    | X            | X              |                        | X              | M                         |
| <i>Euphydryas editha quino</i>             | Quino checkerspot butterfly       | X                    |                      |                  |                  |            | X                  | X               |           |          | X            |                   |               |                    |               |                  | X            |             |                      | X            |                |                        |                | L                         |
| <i>Felis concolor</i>                      | Mountain lion                     |                      |                      |                  |                  |            | X                  | X               |           | X        | X            | X                 | X             | X                  | X             |                  | X            | X           |                      |              | X              |                        |                | L                         |
| <i>Harpagonella palmeri</i>                | Palmer's grappling hook           |                      |                      |                  |                  |            | X                  |                 | X         |          | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Hemizonia floribunda</i>                | Tecate tarplant                   |                      |                      |                  |                  |            |                    |                 | X         | X        |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Horkelia truncata</i>                   | Ramona horkelia                   |                      |                      |                  |                  |            |                    | X               |           |          |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Ictera virens</i>                       | Yellow-breasted chat              |                      |                      |                  |                  |            |                    |                 |           | X        |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Lanius ludovicianus</i>                 | Loggerhead shrike                 |                      |                      |                  |                  |            | X                  |                 | X         | X        | X            |                   |               |                    |               |                  | X            | X           |                      |              |                |                        |                | M                         |
| <i>Lasiurus blossevillei</i>               | Western red bat                   |                      |                      |                  |                  |            |                    |                 |           | X        | X            |                   | X             | X                  |               |                  |              |             |                      |              | X              |                        |                | M                         |
| <i>Lathyrus splendens</i>                  | Pride of California               |                      |                      |                  |                  |            |                    | X               |           | X        |              | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Lepechinia ganderi</i>                  | Gander's pitcher sage             |                      |                      |                  |                  |            |                    | X               |           |          |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Lepus californicus bennettii</i>        | San Diego black-tailed jackrabbit |                      |                      |                  |                  |            | X                  | X               | X         |          | X            | X                 | X             | X                  |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Lotus crassifolius otayensis</i>        | Otay mountain lotus               |                      |                      |                  |                  |            |                    | X               |           |          |              |                   |               | X                  |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Lycaena hermes</i>                      | Hermes copper                     |                      |                      |                  |                  |            | X                  | X               |           |          | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Machaeranthera juncea</i>               | Rush like bristle bush            |                      |                      |                  |                  |            | X                  |                 |           |          | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Monardella hypoleuca lanata</i>         | Felt leaved rock mint             |                      |                      |                  |                  |            |                    | X               |           |          | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Myotis ciliolabrum</i>                  | Small-footed myotis               |                      |                      |                  |                  |            |                    | X               |           | X        | X            | X                 | X             | X                  | X             |                  | X            |             |                      |              | X              |                        |                | M                         |
| <i>Myotis evotis</i>                       | Long eared myotis                 |                      |                      |                  |                  |            |                    | X               |           | X        | X            | X                 | X             | X                  | X             |                  |              |             |                      |              | X              |                        |                | M                         |
| <i>Myotis thysanodes</i>                   | Fringed myotis                    |                      |                      |                  |                  |            |                    | X               |           | X        | X            | X                 | X             | X                  | X             |                  |              |             |                      |              | X              |                        |                | M                         |
| <i>Myotis volans</i>                       | Long legged myotis                |                      |                      |                  |                  |            |                    | X               |           | X        | X            | X                 | X             | X                  | X             |                  |              |             |                      |              | X              |                        |                | M                         |
| <i>Myotis yumanensis</i>                   | Yuma myotis                       |                      |                      |                  |                  |            | X                  | X               | X         | X        | X            | X                 | X             | X                  | X             | X                |              |             | X                    | X            | X              |                        | X              | M                         |
| <i>Nolina interrata</i>                    | Dehesa beargrass                  |                      | X                    |                  |                  |            |                    | X               |           |          | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Neotoma lepida</i>                      | San Diego Desert Woodrat          |                      |                      |                  |                  |            | X                  | X               | X         | X        | X            | X                 | X             | X                  | X             | X                | X            | X           | X                    | X            | X              |                        | X              | M                         |
| <i>Nyctinomops macrotis</i>                | Big free-tailed bat               |                      |                      |                  |                  |            | X                  | X               | X         | X        | X            | X                 | X             | X                  | X             | X                | X            | X           | X                    | X            | X              |                        | X              | M                         |
| <i>Nyctinomops femorosaccus</i>            | Pocketed free-tailed bat          |                      |                      |                  |                  |            | X                  | X               | X         | X        | X            | X                 | X             | X                  | X             | X                | X            | X           | X                    | X            | X              |                        | X              | M                         |
| <i>Odocoileus hemionus</i>                 | Southern mule deer                |                      |                      |                  |                  |            | X                  | X               | X         | X        | X            | X                 | X             | X                  | X             |                  | X            | X           |                      |              | X              |                        |                | O                         |
| <i>Onychomys torridus ramona</i>           | Southern grasshopper mouse        |                      |                      |                  |                  |            | X                  | X               | X         |          | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Phrynosoma coronatum blainvillei</i>    | San Diego horned lizard           |                      |                      |                  |                  |            | X                  | X               | X         | X        | X            | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Poliophtila californica californica</i> | California gnatcatcher            | X                    |                      |                  |                  |            | X                  |                 |           |          |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Polygala cornuta fishiae</i>            | Fish's milkwort                   |                      |                      |                  |                  |            |                    | X               |           |          | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Quercus cedrosensis</i>                 | Cedros Island oak                 |                      |                      |                  |                  |            |                    | X               |           |          |              |                   |               | X                  |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Quercus engelmannii</i>                 | Engelmann oak                     |                      |                      |                  |                  |            |                    |                 |           | X        | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Rana aurora draytoni</i>                | California red -legged frog       | X                    |                      |                  |                  |            |                    |                 |           | X        |              |                   |               |                    |               | X                |              |             |                      |              | X              |                        | X              | L                         |
| <i>Ribes canthariforme</i>                 | Morena currant                    |                      |                      |                  |                  |            |                    | X               |           |          |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Salvadora hexalepis virgultea</i>       | Coast patch-nosed snake           |                      |                      |                  |                  |            | X                  | X               |           |          | X            |                   |               |                    | X             |                  |              |             |                      |              |                |                        |                | M                         |
| <i>Satureja chandleri</i>                  | San Miguel savory                 |                      |                      |                  |                  |            |                    | X               |           |          | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Scaphiopus hammondi</i>                 | Western spadefoot toad            |                      |                      |                  |                  |            | X                  | X               | X         | X        | X            | X                 |               |                    |               | X                |              |             |                      | X            |                |                        |                | L                         |
| <i>Scutellaria bolanderi austromontana</i> | Southern skullcap                 |                      |                      |                  |                  |            |                    |                 |           | X        |              | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Senecio ganderi</i>                     | Gander's butterweed               |                      |                      |                  |                  | X          |                    | X               |           |          | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Sialia mexicana</i>                     | Western bluebird                  |                      |                      |                  |                  |            |                    |                 |           | X        | X            |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | M                         |

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| Scientific Name              | Common Name         | Federally Endangered | Federally Threatened | State Endangered | State Threatened | State Rare | Coastal Sage Scrub | Mixed Chaparral | Grassland | Riparian | Oak Woodland | Chamise Chaparral | Mixed Conifer | Closed Cone Forest | Pinon-Juniper | Freshwater Marsh | Desert Scrub | Desert Wash | Salt or Alkali Marsh | Vernal Pools | Montane Meadow | Coastal or Desert Dune | Lakes and Bays | Probability of Occurrence |
|------------------------------|---------------------|----------------------|----------------------|------------------|------------------|------------|--------------------|-----------------|-----------|----------|--------------|-------------------|---------------|--------------------|---------------|------------------|--------------|-------------|----------------------|--------------|----------------|------------------------|----------------|---------------------------|
| <i>Taxidea taxus</i>         | American badger     |                      |                      |                  |                  |            | X                  | X               | X         |          | X            | X                 | X             |                    | X             |                  | X            | X           |                      |              | X              |                        |                | L                         |
| <i>Tetracoccus dioicus</i>   | Parry's tetracoccus |                      |                      |                  |                  |            |                    | X               |           |          |              | X                 |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |
| <i>Viguiera laciniata</i>    | San Diego sunflower |                      |                      |                  |                  |            | X                  |                 |           |          |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | O                         |
| <i>Vireo bellii pusillus</i> | Least Bell's vireo  | X                    | X                    |                  |                  |            |                    |                 |           | X        |              |                   |               |                    |               |                  |              |             |                      |              |                |                        |                | L                         |

## Probability of Occurrence Codes:

L – Low Probability; rare species in area, and no significant habitat (animals); or distinctive perennial that would not have been missed if present onsite (plants). M – Moderate Probability; could be expected to occur onsite on at least an occasional basis, based on habitat quality (animals); or could occur onsite, but very rare, and/or poorly known (plants). H – High Probability; nearly certain to occur onsite on a regular basis (animals), but cryptic; or ephemeral species known from the immediate vicinity, but seasonal in occurrence (plants). O – Observed; see text for detailed discussion.



**Figure 1. Vegetation and Open Space Exhibit**  
**TPM 20875**

*(see 80'-scale exhibit attached)*

| Williams Property 45-Day Survey Report: California Gnatcatcher ( <i>Polioptila californica californica</i> ) Field Survey, County of San Diego |  |                          |                                     |
|--|--|--------------------------|-------------------------------------|
| Location:  | The site (APN 513-130-04 and -14 ) consists of approximately 8.5-acres located at the end of Eucalyptus Drive in the Crest area of unincorporated San Diego County (map attached).   |                          |                                     |
| Habitat Description:   | The site supports approximately 2.5 acres of Diegan Coastal Sage Scrub on the south-facing slopes below an existing home. This habitat is indicated by California Sagebrush ( <i>Artemisia californica</i> ), San Diego County Viguiera ( <i>Viguiera lacinata</i> ), Flat-top Buckwheat ( <i>Eriogonum fasciculatum</i> ), and other low shrubs. This habitat is contiguous offsite on adjoining lands to the east and west on a continuation of the slope. Other onsite habitats include riparian, chaparral, and development/disturbed. Gnatcatcher habitat value moderate. |                          |                                     |
| Survey Methodologies   | 100% of the CSS onsite was slowly walked. Taped vocalizations used sparingly.  |                          |                                     |
| Name of personnel  | Shannon Allen, TE 038065   | Shannon Allen, TE 038065 | Shannon Allen, TE 038065            |
| Acres surveyed   | approx.2.5 acres   | approx.2.5 acres         | Vince Scheidt, TE 788133            |
| Date of survey   | 8 March '05  | 17 March '05             | approx.2.5 acres                    |
| Weather  | Overcast skies, cool, no wind  | Clear, cool, no wind     | 25 March '05                        |
| Temperature (Start/Stop)   | 55°/59°  | 65°/69°                  | Overcast skies, light westerly wind |
| Tape vocalizations   | 6 times  | 9 times                  | 66°/65°                             |
| # of gnatcatchers  | none   | none                     | 7 times                             |
| Age  | n/a  | n/a                      | none                                |
| Sex  | n/a  | n/a                      | n/a                                 |

TOP01 map printed on 07/25/05 from "SanDiego.tpo" and "Unlabeled.tpo"

116°53'00" W

116°52'00" W

WGS84 116°51'00" W

